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In re Application of:

John L. Shannon, Jr.

Serial No.

Filed

For TELESCOPIC SINGLES
STICK

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) Group Art Unit
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) Examiner
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TRANSMITTAL LETTER

The Honorable Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I am transmitting herewith the attached Utility Patent Application including three (3) sheets of informal drawings.

This application claims small entity status. Accordingly, the filing fee for the application has been calculated as follows:

CLAIMS AS FILED					
FOR	NUMBER FILED		NUMBER EXTRA	RATE	BASIC FEE (\$345)
TOTAL CLAIMS	19	-20=	0	x\$9	\$0
INDEPENDENT CLAIMS	03	-03=	0	x\$39	\$0
			TOTAL FILING FEE		\$345

The filing fee of \$345 is being paid by the enclosed check in that amount.

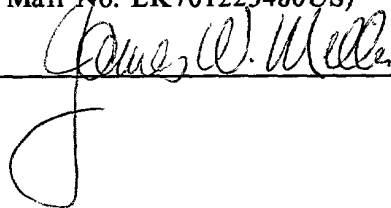
Respectfully submitted,



James W. Miller
Registration No. 27,661
Suite 1005 Foshay Tower
821 Marquette Avenue
Minneapolis, MN 55402
Telephone (612) 338-5915

September 5, 2000

Certificate under 37 C.F.R. 1.10. I hereby certify that this Transmittal Letter and all papers described in or accompanying this Transmittal Letter are being deposited with the U.S. Postal Service for Express Mailing in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on September 5, 2000. (Express Mail No. EK701223480US)



**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 C.F.R. § 1.9(f) and § 1.27(b)) - INDEPENDENT INVENTOR**

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 C.F.R. § 1.9(c) for purposes of paying reduced fees under sections §§ 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled TELESCOPIC SINGLES STICK, described in the specification filed herewith.

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 C.F.R. § 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 C.F.R. § 1.9(d) or a nonprofit organization under 37 C.F.R. § 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed or licensed or am under an obligation under contract or law to assign, grant, convey or license any rights in the invention is listed below:

(x) no such person, concern or organization.

() the persons, concerns or organizations listed below.*

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 C.F.R. § 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Full Name of Sole or First Inventor

John L. Shannon, Jr.

Signature

Date

8/31/00

Full Name of Second Joint Inventor, If Any

Signature

Date

Full Name of Third Joint Inventor, If Any

Signature

Date

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 C.F.R. § 1.27(b)).

TELESCOPIC SINGLES STICK

Technical Field

This invention relates to an elongated stick for adjusting the height of a tennis net. More particularly, this invention relates to a so-called singles stick used in tennis to reset the net height from that appropriate for doubles play to that required for singles play.

Background of the Invention

Tennis is a well known game played on a standardized court. The tennis court comprises a rectangular playing area bounded by two spaced apart end lines which are connected together by side lines. Each side of the tennis court is usually provided with two parallel side lines, a singles line used for singles play and a doubles line used for doubles play. This playing area is bisected across the middle thereof by the tennis net. The tennis net can have various forms, but customarily includes a net strung under tension between two relatively permanent end posts. The end posts are most often set at a location outside of the doubles lines on the court.

Under the formal rules of tennis, as set out by the various governing bodies thereof, the tennis net must have a particular height at various points along its length. For example, the low point of the tennis net is usually at the center thereof where it is cinched by a strap fixed to the court to attain the correct height. The net slopes gradually upwardly from this center point until it reaches the end posts. As a practical matter, the height of the end posts is chosen so that when the net crosses the doubles

1 line it will have the correct height above the ground to
2 satisfy the rules of play for doubles. Unfortunately, this
3 same net position used for doubles play does not satisfy the
4 rules for regulation singles play since the height of the
5 net as it crosses the singles line is too low.

6 Because it is most desirable to have a single tennis
7 court that can be used for both singles and doubles play,
8 the problem of adjusting the tennis net to regulation height
9 for singles play has been solved by using what is known as a
10 singles stick. This stick is simply an elongated member or
11 board having a notch in the top which is jammed between the
12 tennis net and the ground. This is usually done at a
13 predetermined location outside the singles court with the
14 singles stick being of a sufficient height so that it will
15 raise the top of the net the amount necessary to convert it
16 to regulation singles play, i.e. the height of the net above
17 the ground at the singles line will be exactly correct.
18 U.S. Patent 4,440,393 to Smith shows a singles stick of this
19 type. Thus, most tennis courts are built with the end posts
20 and the net normally being set for doubles play with singles
21 sticks being used when necessary to convert the net to
22 regulation singles play.

23 While singles sticks are effective for the purpose for
24 which they are intended, namely converting the net from dou-
25 bles to singles play, known singles sticks have a number of
26 disadvantages. For one thing, they are 42 inches long.
27 Thus, such sticks are quite cumbersome for a tennis player
28 to store and carry, thus discouraging their use. For exam-
29 ple, a conventional, unitary singles stick is too long to
30 fit into the equipment bag that most tennis players use to
31 carry their tennis racket, tennis balls, and the like.
32 Thus, the singles stick must be carried separately, which is
33 obviously a disadvantage.

34 U.S. Patent 4,976,432 to Cheney discloses a singles
35 stick which can be assembled from a plurality of shorter
36

sections. The sections are assembled end to end relative to one another with a dowel on the top of one section fitting via a press fit into a socket on the bottom of another section. When all the sections are assembled together, they form a singles stick having the correct length.

While making the singles stick from separate sections eases the task of carrying the singles stick in an equipment bag, the Cheney approach has its own disadvantages. First, if any one of the sections of the stick is lost or misplaced, the stick is useless since it cannot be assembled to its full length. In addition, if the stick is hit or struck by a ball, the sections making up the stick can come apart, requiring that the stick be reassembled and placed again at its proper position on the court. Moreover, assembling a plurality of sections end to end, such as the three sections of the stick shown in Cheney, can be difficult to do, particularly if the press fit between the sections becomes loose. Thus, the sections of the stick can come apart while attempting to assemble or place the stick between the net and the court.

Summary of the Invention

One aspect of this invention relates to a singles stick for holding the top edge of a tennis net at its regulation height above the ground for singles play. The singles stick comprises a base and a staff which are slidably connected to one another such that the base and staff can be extended between an extended position and a collapsed position by sliding the base and staff relative to one another. The base and staff have a combined length in the extended position to properly position the tennis net for singles play when the singles stick is installed between the top edge of the net and the ground. The base and staff have a combined length in the collapsed position which is shorter than the combined

length of the base and staff in the extended position. A lock is provided for releasably holding the base and staff together in at least the extended position of the base and staff.

Another aspect of this invention relates to a singles stick which comprises a plurality of telescopically received sections including at least one first, hollow section into which a second section is telescopically received such that the first and second sections can be extended between an extended orientation and a collapsed orientation by telescoping the first and second sections relative to one another. The first and second sections have a combined length in the extended orientation to properly position the tennis net for singles play when the singles stick is installed between the top edge of the net and the ground. The first and second sections have a combined length in the collapsed orientation which is shorter than the combined length of the first and second sections in the extended orientation. A lock is provided for releasably holding the base and staff together in at least the extended position of the base and staff.

Yet another aspect of this invention relates to a singles stick which comprises a base that abuts against the ground when the singles stick is installed and an upper staff that engages against the top edge of the net when the singles stick is installed. The base and the upper staff are telescopically connected to one another to allow the base and staff to be placed in an extended position and a collapsed position with the base and staff remaining connected together as they move between the extended and collapsed positions, wherein the base and staff have a combined length in the extended position which is sufficient to raise the top edge of the net from the position that edge has during doubles play.

Brief Description of the Drawings

This invention will be described hereafter in the Detailed Description, taken in conjunction with the following drawings, in which like reference numerals refer to like elements or parts throughout.

Fig. 1 is a perspective view of a first embodiment of a singles stick according to this invention, particularly illustrating the stick in it's extended operating position and with the singles stick shown spaced inwardly from the end post and wedged between the ground and the net for raising the height of the tennis net for regulation singles play;

Fig. 2 is a perspective view of the singles stick shown in Fig. 1, particularly illustrating the singles stick in it's collapsed storage position;

Fig. 3 is a cross-sectional view of the singles stick shown in Fig. 1, taken along lines 3-3 in Fig. 2;

Fig. 4 is a perspective view of the singles stick shown in Fig. 1, particularly illustrating the singles stick in its collapsed storage position and with the singles stick being carried inside an equipment bag of the type often used by tennis players to carry tennis rackets;

Fig. 5 is a partial cross-sectional view of a second embodiment of a singles stick according to this invention, particularly illustrating a different lock for locking the singles stick in its extended operating position; and

Fig. 6 is a partial side elevational view of a third embodiment of a singles stick according to this invention, particularly illustrating yet a different lock for locking the singles stick in its extended operating position.

Detailed Description

Referring first to Fig. 1, a generally conventional tennis court is illustrated at 2. Court 2 includes a play-

ing surface 4 each side of which includes two parallel side lines that mark the court's width, i.e. a singles line 6 and a doubles line 8. A tennis net 10 comprises a top support cord or cable 11 from which the mesh-like net fabric 12 is suspended.

Net 10 is strung between two spaced apart and generally circular end posts 14 (only one of which is shown in the drawings) in such a manner that it bisects the playing surface 4 into two equal halves. Each end post 14 is permanently mounted into the ground and is usually located outside the doubles line 8 as shown. A tensioning mechanism 16 may be included on each end post 14 for tightening net 10. In fact, cable 11 of net 10 is usually under considerable tension.

A first embodiment of an improved singles stick according to this invention is shown in Fig. 1 generally as 20. Singles stick 20 is made of two telescopic sections comprising a base 22 that telescopically receives an upper staff 24. Base 22 is hollow over most of its length so that upper staff 24 can slide down into base 22 when singles stick 20 is in a collapsed storage position as shown in Fig. 2. However, when in the collapsed storage position shown in Fig. 2 and when upper staff 24 bottoms out in base 22, a small length of upper staff 24 still sticks up out of base 22. This allows the user to grab upper staff 24 to pull upper staff 24 up out of base 22 to place singles stick 20 into an extended operating position.

Base 22 and upper staff 24 have mating cross-sectional shapes to allow the two sections to smoothly telescope relative to one another. For example, as shown in Figs. 1-3, both base 22 and upper staff 24 can comprise pieces of hollow, square tubing with the tubing forming upper staff 24 being sized to be slightly smaller than the tubing forming base 22. The bottom of the tubing forming base 22 is attached to an enlarged foot 26 that can engage the surface of

2 court 2 when singles stick 20 is in use, though foot 26 can
4 be dispensed with if so desired with the bottom end of base
6 22 simply engaging against the surface of court 2.

8 Obviously, the square tubing shown forming base 22 and
10 upper staff 24 of singles stick 20 can be changed to other
12 shapes, such as circular or hexagonal tubing. In addition,
base 22 and upper staff 24 of singles stick 20 need not have
mating shapes as long as the two can extend and retract
relative to one another in a sliding fashion. While a tele-
scopic fit between base 22 and upper staff 24 is a con-
venient type of sliding connection, base 22 and upper staff
24 could be slidably connected together in other ways.

14 Base 22 and upper staff 24 can be made of any suitable
16 materials, such as being formed of metallic or plastic
18 tubing. Upper staff 24 has a notched portion 28 for engag-
20 ing beneath net cable 11 as shown in Fig. 1. Notched por-
22 tion 28 can be formed integrally with staff 24 or can be
24 made, as shown in Figs. 1-3, as a separate piece fixedly at-
tached to the rest of staff 24. When notched portion 28 is
a separate piece, it can be made of a relatively stiff rub-
ber material to avoid abrading net cable 11. Similarly,
foot 26 on base 22 can be made of the same type of rubber
material to avoid the potential of scuffing or marring the
surface of court 2.

26 Base 22 and upper staff 24 can be locked together in
28 one of two distinct positions of singles stick 20. In the
30 first position, shown in Fig. 1, upper staff 24 is pulled or
32 extend up out of base 22 and the two sections are locked to-
34 gether to retain upper staff 24 and base 22 in this extended
36 position. In this extended position, the combined length of
base 22 and upper staff 24, measured from the bottom of foot
26 to the bottom of notch 29 in notched portion 28, will be
42 inches, i.e. the length singles stick 20 must have to
convert court 2 to regulation singles play. Thus, when
singles stick 20 is installed as shown in Fig. 1 at just the

right distance from the singles line, singles stick 20 can be placed between the surface of court 2 and net cable 11 and raise net cable 11 just the right amount to convert court 2 to regulation singles play.

The second position of singles stick 20 is shown in Fig. 2 and comprises a collapsed position in which upper staff 24 has been slid down into hollow base 22. Again, base 22 and upper staff 24 can be locked together in this position. When base 22 and upper staff 24 are placed into the collapsed storage position of singles stick 20, their combined length will now be short enough to allow singles stick 20 to be conveniently dropped into the usual equipment bag used by tennis players to carry their rackets and the like. For example, in its collapsed position, the single stick will be somewhat less than 30 inches long, whereas it is 42 inches long in its extended position.

Any suitable lock 30 can be used to lock base 22 and upper staff 24 together. As shown in Figs. 1-3, one lock 30 that can be used is a locking pin 32 inserted through sets 34 and 36a, 36b of aligned holes 38. Preferably, as shown in Fig. 3, locking pin 32 is attached to the outside of base 22 by a tether 40 so that it will not be lost or misplaced.

The upper end of base 22 includes a first set 34 of aligned holes 38 in opposite sides of base 22. Upper staff 24 has two sets 36a and 36b of similar holes 38. The first set 36a is located adjacent the bottom of upper staff 24 and the second set 36b is located adjacent the top of upper staff 24 beneath notched portion 28. Singles stick 20 will have be placed in its extended operating position or its retracted storage position depending upon which set 36 of holes in upper staff 24 is aligned with the set 34 of holes in base 22 before locking pin 22 is inserted through the aligned holes.

For example, in Fig. 1, locking pin 32 is inserted through the set 34 of holes in base 22 and through the first

set 36a of holes in upper staff 24. This locks singles stick 20 in its extended operating position. The second set 36b of holes in upper staff 24 can be seen in Fig. 1 as they are exposed in the position of singles stick 20 that is illustrated in Fig. 1.

If one wishes to collapse singles stick 20 and place it in its collapsed storage position, locking pin 32 is first withdrawn from its locking position as shown in Fig. 1. Upper staff 24 will then collapse or fall down into base 22. When upper staff 24 is fully collapsed into base 22, the second set 36b of holes on upper staff 24 will be automatically aligned with the set 34 of holes on base 22. Locking pin 32 can then be reinserted through these sets 34 and 36b of holes, as shown in Fig. 2, to lock singles stick 20 in its collapsed storage position. In this position, singles stick 20 can be received in the equipment bag and will not inadvertently extend within the bag. Fig. 4 shows singles stick 20 inside such a bag next to a typical tennis racket 50.

Any suitable lock can be used in place of the locking pin/aligned hole structure shown herein. For example, referring to the embodiment of singles stick 20 shown in Fig. 5, lock 30' can comprise a relatively short locking pin 60 carried at the top of a spring biased finger 62 located in a slot 64 in the top of base 22. Finger 62 can comprise a flexible piece of spring steel or the like which is biased inwardly due to the flexible nature of the material and how finger 62 is mounted in slot 64. Locking pin 60 will engage within one of two vertically spaced holes 66 (only one of which is shown in Fig. 5) in upper staff 24 to lock singles stick 20 in its extended operating position or in its collapsed storage position. Fig. 5 shows locking pin 60 in engagement with the hole 66 adjacent the bottom of upper staff 24 for locking singles stick 20 in its extended operating position.

2 In using lock 30' shown in Fig. 5, the operator can
grip finger 62 with the operator's fingers and pull outward-
ly on finger 62 to withdraw locking pin 60 from whatever
4 hole 66 it currently is received in. Then, singles stick 20
can be extended or collapsed, as the case may be, until the
6 other hole 66 becomes aligned with locking pin 60. Then,
the operator can release finger 62 and the natural bias on
8 finger 62 will cause locking pin 60 to be inserted through
the aligned hole 66.

10 Referring now to Fig. 6, yet another embodiment of a
singles stick according to this invention is illustrated
12 having yet a different lock 30''. In this embodiment, both
upper staff 24 and base 22 are formed as pieces of circular
14 tubing. At the point where upper staff 24 enters base 22, a
rotatable locking knob 70 of the type used on microphone or
16 music stands is used. The construction of such knobs 70 is
well known. In any event, upper staff 24 and base 22 can be
18 locked together by turning locking knob 70 in a counter-
clockwise direction as illustrated by the arrow A in Fig. 6,
20 and can be unlocked from one another by turning locking knob
70 in the opposite clockwise direction as illustrated by the
22 arrow B in Fig. 6.

24 In using a locking knob 70 of the type shown in Fig. 6,
it is desirable that there be some detent or some means for
defining the proper positions of the upper staff 24 and base
26 22 when they reach the extended operating position thereof
to avoid having to measure when this position is reached.
28 Thus, the top of base 22 could be formed with an inwardly
turned lip (not shown) that would cooperate with an outward-
30 ly turned shoulder (not shown) on upper staff 24 to limit
how far the upper staff 24 can be extended up out of base
32 22. When the lip and shoulder engage with one another, the
overall length of singles stick 20 in its extended operating
34 position will be exactly correct. At this point, the opera-
tor can rotate locking knob 70 to lock singles stick 20 in
36 its extended operating position.

2 Other locks could also be used in place of those shown
in Figs. 1-6. For example, upper staff 24 could be formed
4 with grooves in place of the locking holes 38 for receiving
an inwardly biased ball detent carried on base 22. Locks
6 that are carried inside the base 22 and upper staff 24 could
also be used, such as the locks used to lock shower rods in
8 an extended position. While various locks could be used, a
lock which can be released and engaged by hand is preferred.

10 Moreover, while it is also preferred to use a lock 30
that can lock singles stick 20 in both its extended and col-
12 lapsed positions, it is only necessary that lock 30 be able
to lock singles stick 20 in its extended operating position
14 to prevent the tension in net cable 11 from inadvertently
collapsing singles stick 20. Thus, only the first set 36a
of locking holes 38 on upper staff 24 is strictly necessary.

16 The advantages of singles stick 20 of this invention
are apparent. For one thing, in its collapsed storage posi-
18 tion, it easily fits into a tennis player's equipment bag to
be easily transportable along with the rest of the tennis
20 player's equipment. Once the tennis player arrives at court
2, singles stick 20 can be quickly and easily removed, un-
22 locked, pulled out into its extended operating position,
relocked, and then placed beneath net 10 between court 2 and
24 net cable 11. To assist in this placement, a measurement
mark 44 can be located along upper staff 24 to assist the
26 user in measuring the correct location of singles stick 20
from singles line 6.

28 In addition, singles stick 20 of this invention is more
easily installed and used than sticks that are made of sepa-
30 rate sections that have to be assembled end to end. For ex-
ample, base 22 and staff 24 remain connected to one another,
32 i.e. staff 24 is at least partially within base 22, as the
two parts move between their collapsed and extended posi-
34 tions. While one could theoretically lift staff 34 all the
way up and out of base 22, there is no reason to do this and
36

the parts will normally stay in telescopic engagement with one another. Thus, it is not likely that either base 22 or staff 24 will be lost. Moreover, once singles stick 20 is placed in its locked, extended operating position, it will not collapse if inadvertently struck by a tennis ball.

Various modifications of this invention will be apparent to those skilled in the art. For example, singles stick 20 could be made of more than two telescopic sections if so desired, but a lock would have to be provided between each of the adjacent telescopic sections to prevent inadvertent collapsing or shortening of singles stick 20 during use. Accordingly, it is preferred that only two sections be used to form singles stick 20 so that only one lock 30 is needed. Thus, the scope of this invention is to be limited only by the appended claims.

2 I Claim:

4 1. A singles stick for holding the top edge of a
6 tennis net at its regulation height above the ground for
singles play, which comprises:

8 (a) a base and a staff which are slidably connected to
10 one another such that the base and staff can be extended be-
12 tween an extended position and a collapsed position by slid-
14 ing the base and staff relative to one another, wherein the
base and staff have a combined length in the extended posi-
16 tion to properly position the tennis net for singles play
when the singles stick is installed between the top edge of
the net and the ground, and wherein the base and staff have
a combined length in the collapsed position which is shorter
than the combined length of the base and staff in the ex-
tended position; and

18 (b) a lock for releasably holding the base and staff
20 together in at least the extended position of the base and
staff.

22 2. The singles stick of claim 1, wherein the base and
24 staff are telescopically connected to one another.

26 3. The singles stick of claim 1, wherein the base has
28 one end that is suited for engaging the ground, and the
staff comprises an upper staff having a notch suited for
engaging the top edge of the tennis net.

30 4. The singles stick of claim 3, wherein the base in-
32 cludes an enlarged foot for abutting against the ground.

34 5. The singles stick of claim 1, wherein the lock also
36 releasably holds the base and staff in a fixed position in
the collapsed position of the base and staff.

2 6. The singles stick of claim 5, wherein the lock com-
4 prises a locking pin that may be inserted through various
ones of spaced holes.

6 7. The singles stick of claim 6, wherein the locking
8 pin is carried on a spring finger connected to one of the
base and staff, the spring finger having a bias tending to
10 engage the locking pin with one of the spaced holes when the
one hole is aligned with the locking pin.

12 8. The singles stick of claim 6, wherein the locking
14 pin is connected to one of the base and staff.

16 9. The singles stick of claim 1, wherein the base and
staff have a combined length in the collapsed position which
does not exceed approximately 30 inches.

18 10. The singles stick of claim 1, wherein the base and
20 staff have a combined length in the collapsed position which
is short enough to allow the singles stick to be stored in a
22 tennis player's equipment bag that is sized to be slightly
longer than a tennis racket.

24 11. A singles stick for holding the top edge of a
26 tennis net at its regulation height above the ground for
singles play, which comprises:

28 (a) a plurality of telescopically received sections
including at least one first, hollow section into which a
30 second section is telescopically received such that the
first and second sections can be extended between an ex-
32 tended orientation and a collapsed orientation by telescop-
ing the first and second sections relative to one another,
34 wherein the first and second sections have a combined length
in the extended orientation to properly position the tennis
36

net for singles play when the singles stick is installed between the top edge of the net and the ground, and wherein the first and second sections have a combined length in the collapsed orientation which is shorter than the combined length of the first and second sections in the extended orientation; and

(b) a lock for releasably holding the base and staff together in at least the extended position of the base and staff.

12. The singles stick of claim 11, wherein the singles stick is formed from only two telescoping sections comprising the first and second sections.

13. The singles stick of claim 11, wherein the lock also releasably holds the first and second sections in a together in the collapsed orientation of the first and second sections.

14. The singles stick of claim 13, wherein the lock can be released and relocked by hand.

15. A singles stick for raising the top edge of a tennis net from its otherwise undisturbed position to convert a tennis net from doubles to regulation singles play, which comprises:

a base that abuts against the ground when the singles stick is installed and an upper staff that engages against the top edge of the net when the singles stick is installed, wherein the base and the upper staff are telescopically connected to one another to allow the base and staff to be placed in an extended position and a collapsed position with the base and staff remaining connected together as they move between the extended and collapsed positions, wherein the base and staff have a combined length in the extended posi-

tion which is sufficient to raise the top edge of the net from the position that edge has during doubles play.

16. The singles stick of claim 15, wherein the combined length of the base and staff in the collapsed position is sufficient to allow the singles stick to be stored in an equipment bag of the type used to carry tennis rackets and the like.

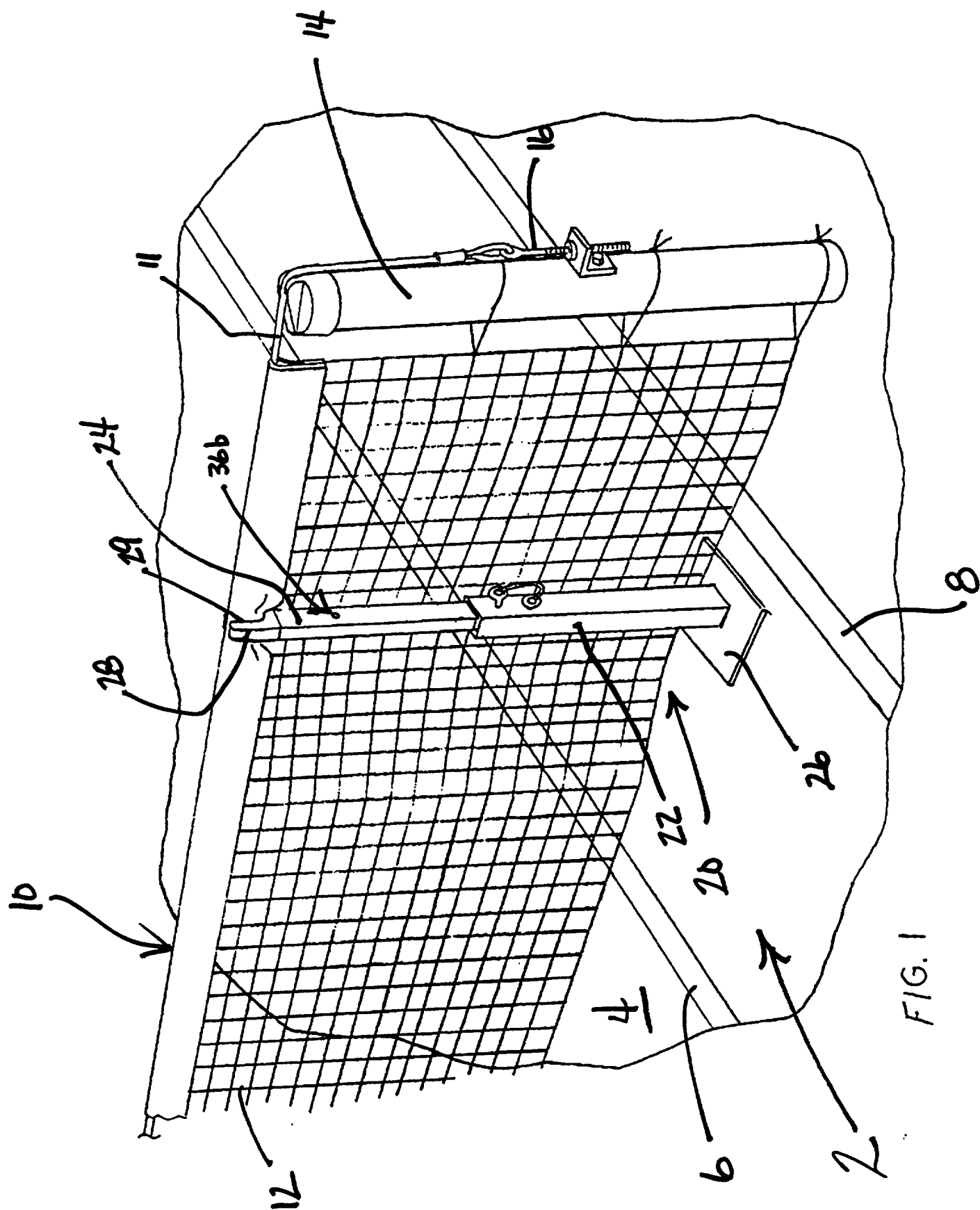
17. The singles stick of claim 15, wherein the base is hollow over most of its length, and wherein the staff is telescopically received within the base to allow the staff to be mostly retracted into the base in the collapsed position.

18. The singles stick of claim 17, wherein a small portion of the staff still extends out of the base in the collapsed position to allow the staff to be gripped and pulled up out of the base into the extended position.

19. The singles stick of claim 15, further including a lock for releasably holding the base and staff together in at least the extended position thereof.

Abstract of the Disclosure

A singles stick is provided for raising the top edge of a tennis net from its otherwise undisturbed position to convert a tennis net from doubles to regulation singles play. The singles stick comprise a base that abuts against the ground when the singles stick is installed and an upper staff that engages against the top edge of the net when the singles stick is installed. The base and the upper staff are telescopically connected to one another to allow their combined length to be varied between an extended position and a collapsed position. In the extended position, their combined length is sufficient to raise the top edge of the net from the position that edge has during doubles play. In the collapsed position, their combined length is sufficient to allow the singles stick to be stored in an equipment bag of the type used to carry tennis rackets and the like.



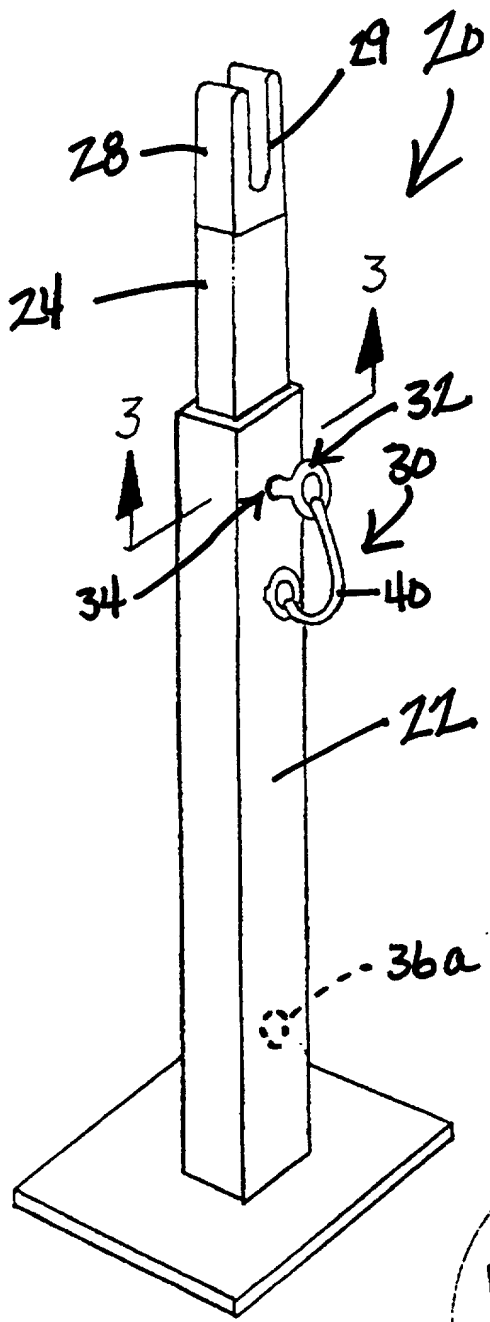


FIG. 2

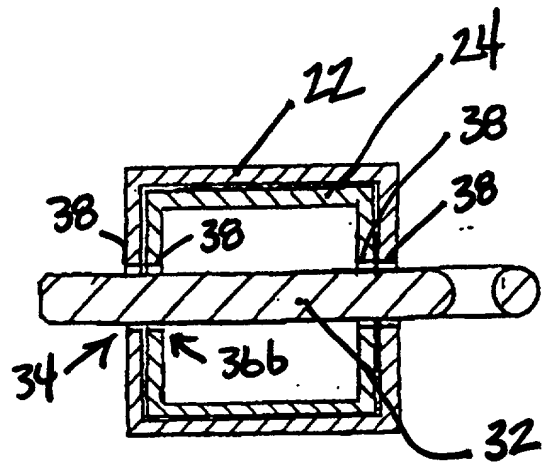


FIG. 3

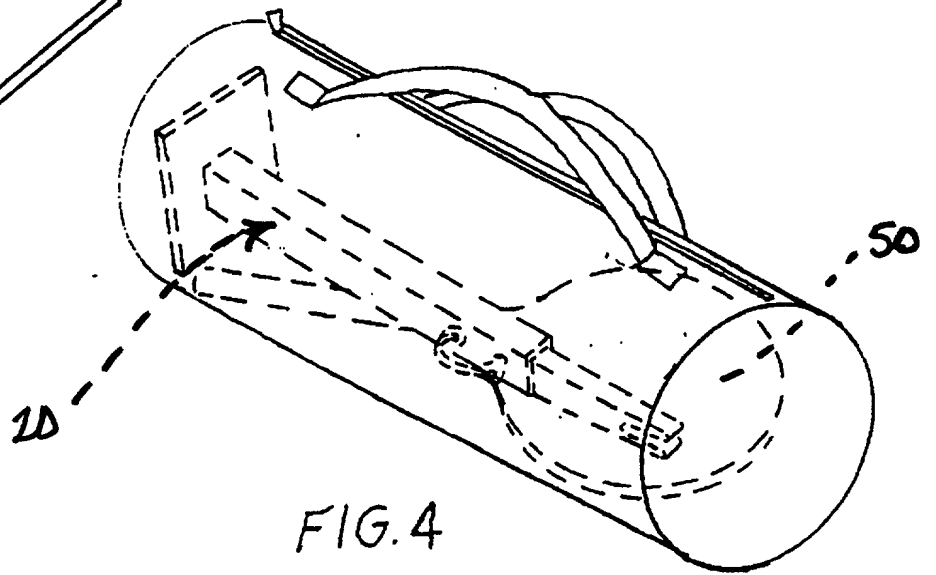
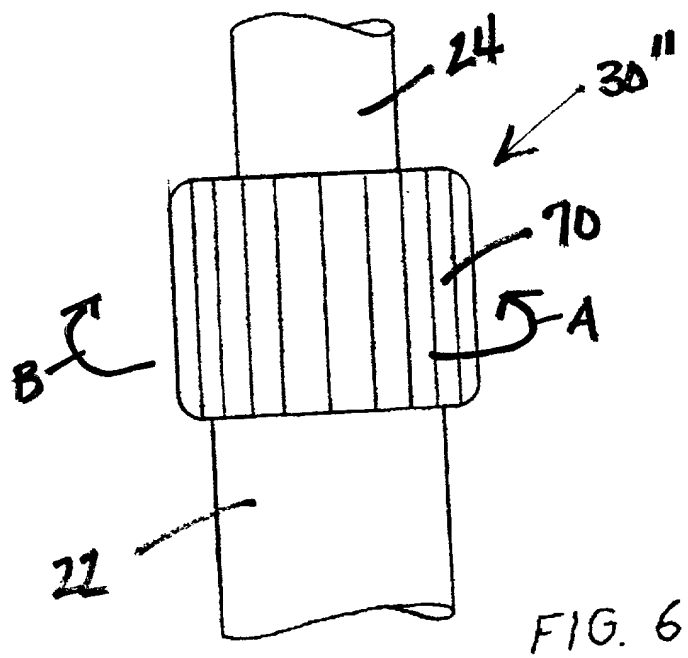
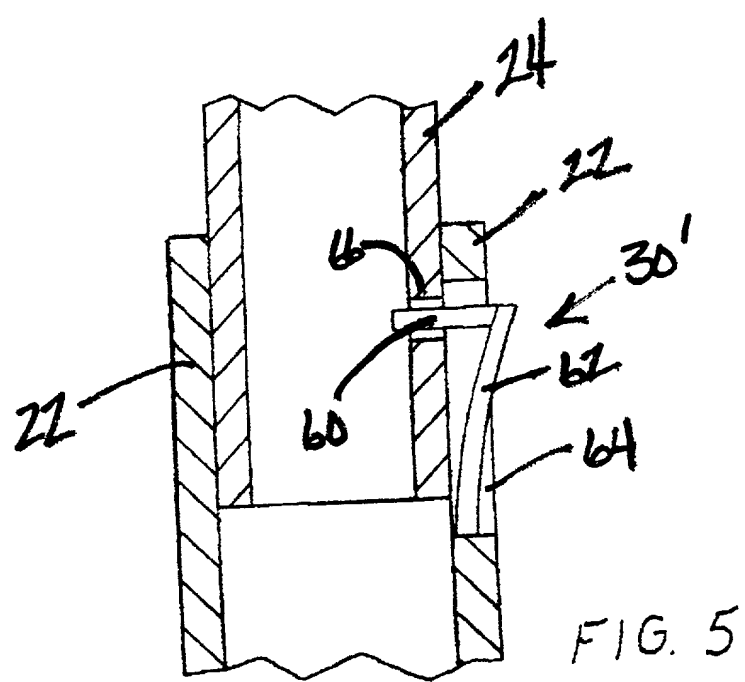


FIG. 4



**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR UTILITY PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled TELESCOPIC SINGLES STICK, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby appoint both jointly and severally, as my attorneys and/or agent(s) with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith the following attorneys and/or agent(s):

James W. Miller, Registration No. 27,661; and his Washington D.C. associate, Douglas R. Hanscom, Registration No. 26,600, telephone number (703) 415-1500.

All correspondence and telephone communications should be addressed to James W. Miller, Attorney at Law, Suite 1005 Foshay Tower, 821 Marquette Avenue, Minneapolis, MN 55402, telephone (612) 338-5915.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent is-

suing thereon.

Full Name of Sole or First Inventor

Signature

Date

John L. Shannon, Jr.

Residence

Orono, Minnesota

Post Office Address

2760 White Oak Circle, Orono, MN 55356

Citizenship

U.S.A.

8/31/00

Full Name of Second Joint Inventor, If Any

Signature

Date

Residence

Citizenship

Post Office Address

Full Name of Third Joint Inventor, If Any

Signature

Date

Residence

Citizenship

Post Office Address